

Joint Workshop

- **Theoretical Perspectives of Resonant Inelastic Soft-X-Ray Scattering**
Jinghua Guo
- **Opportunities and Challenges for Momentum-Resolved Inelastic X-Ray Scattering**
Jinghua Guo, M. Zahid Hasan, Zahid Hussain, Z.-X. Shen, and Sunil Sinha

Tuesday, October 10th, 2006

1:30pm-3:00pm

Session Chair: Z.-X. Shen

1:30-2:00	Momentum-resolved inelastic x-ray scattering in insulating cuprates	Thomas P. Devereaux
2:00-2:30	Probing Magnetic Gap Collapse within a Three-band Model of Resonant inelastic x-ray scattering (RIXS) in the Cuprates	Arun Bansil
2:30-3:00	Coherent Ultrafast Spectroscopy of Core Electrons; X-Ray Analogues of Multidimensional NMR	Shaul Mukamel
3:00-3:15	<i>Coffee Break</i>	

3:15pm-5:15pm

Session Chair: Sunil Sinha

3:15-3:45	Next Generation of Soft X-ray Free Electron Lasers	Christoph Steier
3:45-4:15	High resolution soft X-ray emission spectroscopy of transition metal compounds and heme proteins	Shik Shin
4:15-4:45	Resonant Inelastic Soft X-ray Scattering for Materials Science and Chemical Physics	Sergei Butorin (Joseph Nordgren)
4:45-5:15	Soft X-Ray Spectroscopy of Metalloenzymes	Steve Cramer
5:15-5:30	<i>Break</i>	

Wednesday, October 11th, 2006

8:30am-10:00am

Session Chair: Zahid Hussain

8:30-9:00	Charge-Transfer and d-d Excitations in RIXS of Transition Metal Compounds	Akio Kotani
9:00-9:30	Resonant Inelastic X-ray Scattering in Cuprates	Kozo Okada
9:30-10:00	Charge Excitations in High T _c Cuprates Studied by Resonant Inelastic Soft X-ray Scattering	Munetaka Taguchi
10:00-10:15	<i>Coffee Break</i>	

10:15am-12:15pm

Session Chair: Jinghua Guo

10:15-10:45	RIXS calculations on quantum ladders	Robert Markiewicz
10:45-11:15	Polarization Dependence of L- and M-Edge Resonant Inelastic X-ray Scattering in Transition-Metal Compounds	Michel van Veenendaal
11:15-11:45	Asymmetries in the electron-hole pair excitations in doped cuprates and correlations with the phase diagram: A view from inelastic x-ray scattering	Zahid Hasan
11:45-12:15	X-rays and Neutrons: Essential Tools for Nanoscience	Eric Isaac
12:15-1:30	<i>Lunch</i>	

1:30pm-2:30pm

Session Chair: Zahid Hasan

1:30-2:00	Status of the REIXS beamline at CLS	Alexander Moewes
2:00-2:30	Resonant Inelastic Soft X-ray Scattering of Strong Electron Correlated Materials	Jinghua Guo
2:30-3:00	<i>Coffee Break</i>	

3:00pm-5:00pm

Session Chair: Zahid Hasan

3:00-3:30	Resonant X-ray Scattering (RXS) on layered manganites	Yi-De Chuang
3:30-4:00	The ADRESS Project at the Swiss Light Source: A Beamline for RIXS Studies on Correlated and Nanostructured Materials	Thorsten Schmitt
4:00-5:00	Discussion	